

ACC NR: AT7002126

distribution of maximum tangential stresses in the mass of the slope shows that the zone near the top of the slope angle is most dangerous. Here it is possible for primary shear segments to form, with subsequent development of shear in the immediately adjacent rock mass of the slope. If the upper part of the slope is rounded off, with the radius of curvature being on the order of half the height of the slope, the danger of disturbance in the lower part of the slope is diminished. Orig. art. has: 7 figures.

SUB CODE: ²⁰~~88~~ SUBM DATE: 14Jun66/ ATD PRESS: 5113

Card 2/2

D'YAKONOV, N.N.; MOROZOV, V.D.; LUK'YANOVA, A.I.

Using the optical polarization method for studying the distribution of stresses in benches of open pit sides. Trudy Inst.gor.ce a AN Kazakh.SSR 14:108-115 '64. (MIRA 18:1)

1. Gornyy otdel AN Uzbekskoy SSR.

WILLIAM, W.F., Inza.

ROBERTSON, J. W. A. (1961) The geology of the
Piedmont Plateau of the United States. U.S. Geol. Surv. Prof. Paper 1044
a 10.

MOROZOV, V.P., inzh.

Use of frequency channels for multiplexing telemetering networks.
Elek. sta. 31 no.9:80-81 S '60 (MIRA 14:10)
(Telemetering)

DAVYDOV, Yevgeniy Vasil'yevich; MOROZOV, Vladimir Fedorovich; VINOGRADOV, V.A.,
red.; VORONIN, K.P., tekhn.red.

[Communications and signaling in peat enterprises] Sviaz' i signali-
zatsiia na torfopredpriiatiiakh. Moskva, Gos.energ.izd-vo, 1959.
173 p. (MIRA 12:4)

(Peat industry)

(Telecommunication)

Morozov, V. F.

AID P - 1997

Subject : USSR, Electricity

Card 1/1 Pub. 27 - 1/31

Author : Morozov, V. F., Director of the Central V. I. Lenin
Museum

Title : The bright genius of mankind (85th anniversary of
Lenin's birth)

Periodical : Elektrichestvo, 4, 3-6, Ap 1955

Abstract : The author extols Lenin's teachings, emphasizing his
contributions to the development of science and
industry. He enumerates the achievements of the
Communist Revolution and ends the article with anti-
American propaganda.

Institution: Central V. I. Lenin Museum

Submitted : No date

MOROZOV, V.P.

The acclimatization of the Ussuri raccoon dog (*Nyctereutes procyonoides* Gray) as an example of the successful transformation of the fur-bearing fauna of the European part of the U.S.S.R. Zool.zhur. 32 no.3:524-533
My-Je '53. (MLRA 6:6)

1. Leningradskoye otdeleniye Vsesoyuznogo nauchno-issledovatel'skogo instituta okhotnich'yego promysla (VNIO) Ministerstva sel'skogo khozyaystva i zagotovok SSSR. (Raccoon dogs)

MOROZOV, V. F. and ZHURBIN, L. M. (Veterinary Doctors, City of Shchors, Chernogov Oblast')

"Treatment of cattle in cases of acute company."

Veterinariya, vol. 39, no. 8, August 1962 pp. 54

MOROZOV, V.F., master; BEREZIN, Z.A., tekhnik; KOVALEV, K.V., inzhener.

Regulator of condensate level for turbine condensers. Energetik
5 no.5:16 My '57. (MLRA 10:6)
(Feed-water regulation)

MOROZOV, V. F.

Morozov, V. F. "Suitability of the Amur River for the
the upper parts of the Amur-Lena river basin (the
Volkov, Kefirskaya, Kuz'-Sty, etc.) for the development,"
Izv. Sib. nauch. tsentra, 1964, no. 1, p. 1-12.

U.S. Navy, 21 March 63, 1964, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000.

MOROZOV, V. F.

Morozov, V. F.: "Ecological conditions of non-irrigated winegrowing and fruit-growing in mountainous Tadzhikistan", Byulleten' po plodovodstvu, ovoshch-evodstvu i vinogradarstvu, No. 9, 1948, p. 107-201, - Bibliog: 98 items.

SO: U-3042, 11 March 53, (Letopis 'nykh Statey, No. 10, 1949).

MOROZOV, V. F.

26572 Polezashchitnye lesnye nasazhdeniya-nerazryvnoe zveno travopolnoy sistemy zemledeliya. Sel. Koz-vo tadzhikistana, 1949, No. 4, c. 14-17.

SO: LETOPIS' NO. 35, 1949

MOROZOV, V.F.

Peculiarities of water and carbohydrate metabolism in Crimean and common
pine in Lower Dnieper sands. Doklady Akad. Nauk S.S.S.R. 90, 105-8 '53.
(CA 47 no.16:8195 '53) (MLRA 6:4)

MDROZOV, V. F.

MD ✓ Direction of carbohydrate and protein metabolism in
White Russian oak of various ecological types. V. F.
Morozov. Doklady Akad. Nauk. S.S.S.R. 105, 588-91
(1965).--In passage of oak trees from good to poor soil

locations in White Russia the controlling factor in the rate
of metabolism is played by the extent of water supply. In
good irrigational state the protein metabolism is directed
mainly toward synthesis of simpler proteins, while in dry
conditions the more complex proteins tend to form along
with a decrease in total protein. The content of sol. carbo-
hydrates also varies directly with the abundance of water
supply. G. M. Kosolapov

USSR/Forestry - Forest Biology and Typology.

K.

Abs Jour : Ref Zhur - Biol., No 4, 1958, 15351

Author : V.F. Morozov

Inst : Forestry Institute of the Academy of Sciences,
Belorussian SSR.

Title : The Basic Features of Carbohydrate and Albumin
Metabolism in the British Oak under Various Conditions
of Growth.
(Osnovnyye cherty uglevodnogo i belkovogo obmena u duba
chereshchatogo v razlichnykh usloviyakh proizrastaniya).

Orig Pub : Sb. nauchn. rabot po lesn. kh-vu. In-t lesa. AN BSSR,
1956, vyp. 7, 108-120

Abstract : In connection with measures taken to increase forest
productivity, a study was made in 1954-1955 of the
peculiarities of carbohydrate and albumin metabolism

Card 1/3

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USSR/Forestry - Forest Biology and Typology.

K.

Abs Jour : Ref Zhur - Biol., No 4, 1958, 15351

in the British oak (*Quercus robur* L.) in the ash tree, goutweed and eagle fern oak forests of the Bielorussian wooded area. When determining the carbohydrate, albumin and non-albuminous N content in the leaves, it was established that in the Bielorussian wooded area the factor of moisture is of decisive significance in the varying of carbohydrate and albumin metabolism intensities in the oak; this determines the formal composition and productiveness of the oak. Favorable water conditions in the ash tree oak grove lets the oak synthesize simpler albumins. A high albumin molecular fraction predominates in the leaves in oak groves with eagle ferns. During the oak's period of growth in oak in oak groves with ash trees and hornbeam a more intensive carbohydrate balance is observed than in the oak coming from oak groves growing eagle ferns. It was noted that hydrolysis is 2-3 times higher in early than

Caré 2/3

MOROZOV, V.F.

Biological basis of forest formation. Dokl. AN BSSR 2 no.9:385-388
O '58. (MIRA 12:7)

1. Predstavlene akademikom AN BSSR N.D. Nesterovichem.
(Forests and forestry)

MOROZOV, V.F. [Marozau, V.F.]

Production of organic matter in pine stands at various light intensities. Vestsi AN BSSR.Ser.biiial.nav. no.4:31-42 '59.
(MIRA 13:4)

(Pine)

(Plants, Effect of light on)

MOROZOV, Vasilii Fedorovich; MISHANOVA, Ye.A., red.; TIMOSHCHUK, R.S.,
tekhn. red.

[Biological foundations of forest management] Biologicheskie osnovy
ukhoda za lesom. Minsk, Gos.izd-vo sel'khoz.lit-ry BSSR, 1962.
142 p. (MIRA 15:6)

(White Russia—Forest ecology)

Hysteresis Clutch for Frequency Stabilization

SCV/105-88-10-18/1

clutch dimensions being the same. In such a hysteresis clutch it is possible to obtain the synchronous moment required by varying the number of the insert rings. The operation principle of the clutch is based on the presence of the hysteresis in magnetic hard materials (Vicalloy in the present case). An examination of the model showed a frequency stability of an accuracy of up to $\pm 0.2\%$. Tests showed that this clutch can be employed with capacities of up to 500 VA, with a load decrease of 30 - 40 % and at more than 6,000 revs./min. There are 3 figures.

SUBMITTED: June 2, 1958

Card 2/2

L 26916-65 EWT(m)/EPA(w)-2/EWA(m)-2 Pab-10/Pt-10 IJP(c) DM

ACCESSION NR: AP5004006

S/0089/65/018/001/0062/0063

AUTHORS: Morozov, V. G.; Kholin, S. A.

TITLE: Simplest nonstationary kinetic equation

SOURCE: Atomnaya energiya, v. 18, no. 1, 1965, 62-63

TOPIC TAGS: kinetic equation, particle acceleration, Laplace transformation

ABSTRACT: A solution, integrated over the angle, is obtained for the one-velocity kinetic equation in an infinite homogeneous medium with plane or point-like isotropic source. The scattering is assumed isotropic in the laboratory system. The solution was obtained by two methods: the double Laplace transformation method and the corrected method of A. S. Monin (Teoriya veroyatnosti i yeye primeneniye [Probability Theory and Its Application], v. 1, 328, 1956). The particle distribution density is expanded in powers of the reciprocal

Card

1/2

L 26916-65

ACCESSION NR: AP5004006

of the scattering range, which is equivalent to expansion over the collision. It is pointed out that an error in Monin's solution prevented him from obtaining the correct answer. Orig. art. has: 2 figures and 4 formulas.

ASSOCIATION: None

SUBMITTED: 31Jan64

ENCL: 00

SUB CODE: NP, MA

NR REF SOV: 000

OTHER: 000

Card

2/2

USSR/Statistical Physics - Heat

5-4

Abs Jour : Referat Zhur Fizika No 9, 1957, 2245

Author : Sterman, L.S., Styashin, N.G., Morozov, V.G.

Inst :
Title : Investigation of the Dependence of the Critical Heat Flow on the Speed of Circulation

Orig Pub : Zh. tekhn. fiziki, 1956, 26, N 10, 2323-2328

Abstract : Continuation of previous investigations (Sterman, L.S. and Styashin, N.G. Zh. tekhn. fiziki, 1952, 22, N 2) on the determination of the conditions of the change from bubble boiling to film boiling for ethyl alcohol and for water. New details of the instruments are the setup for measuring the flow of liquid. To the pressure drop before and after the measuring diaphragm, the author employs a tilted manometer, whose upper portion is filled with gas. The manometric liquid is the same liquid as used in the flow. New methods are used to establish the

Card 1/2

STERMAN, L.S.; MOROZOV, V.G.; KOVALEV, S.A.

Studying heat exchange to boiling water and ethyl alcohol
in pipes. Inzh.-fiz.zhur. no.10:40-45 0 '59.
(MIRA 13:2)

1. Energeticheskiy institut im. G.M.Krzhizhanovskogo i
TSentral'nyy kotloturbinnyy institut, Moskovskoye otdeleniye,
Moskva.

(Heat--Transmission)

27096

S/143/61/000/001/005/006
A207/A126

26.5410

AUTHOR: Morozov, V. G., Engineer

TITLE: An investigation of the effect of the physical properties of a liquid on the critical thermal flows during the boiling process

PERIODICAL: Energetika, no. 1, 1961, 73 - 81

TEXT: The author outlines an investigation carried out for the purpose of studying the heat transmission in boiling and the determination of numerical values of the critical thermal flows. Methanol, n-propanol, 95%-ethanol, water and carbon tetrachloride were investigated. Numerous experiments on these various liquids showed that the maximum critical thermal flows in boiling, on horizontal plates, at a height of from 3 to 10 mm, erected on their edge, and on plates, with their surfaces facing upward, were actually equal. The experimental data obtained are found to coincide well with the summarized criterial equation, suggested in Ref. 3 (Stern L.S. ZhTF, tom XXIII, vyp. 2, 1953). The viscosity determinations of methanol, normal propanol and carbon tetrachloride were conducted at the department of Physics of the Moscow Aeronautics Institute (MAI). It was found that the maximum critical thermal flows were 35 + 40% greater when boiling on a wire with a 1 mm

Card 1/2

27086

S/143/61/000/001/005/006

An investigation of the effect of the physical properties A207/A126

diameter, than when boiling on the plates. The transition to film boiling on the plates, erected horizontally on their wide plane and washed with liquid on all sides, takes place at thermal flows, which are 20 - 25% less than the values obtained on the plates erected with their surfaces upward. There are 5 figures, and 16 references: 12 Soviet-bloc and 4 non-Soviet-bloc. The references to the most recent English-language publications read as follows: Weswater J. W. and Santagelo J. G. Ind. and Eng. Chemistry, no. 8, 1955.

ASSOCIATION: Tsentral'nyy kotloturbinnyy institut imeni I. I. Polzunova (Moskovskoye otdeleniye) (The Central Boiler-Turbine Institute imeni I. I. Polzunov) Moscow Division

Card 2/2

MOROZOV, V.G.

Experimental study of the cessation of film boiling of a liquid
on a submerged heating surface. Inzh. fiz. zhur. 5 no. 4:15 19
Ap '62. (MIRA 15:4)

1. Moskovskoye otdeleniye Tsentral'nogo kotloturbinnogo instituta
imeni I.I. Polzunova, Moskva.
(Ebullition)

GALTEYEV, F.F., kand. tekhn. nauk, dotsent; MOROZOV, V.G., inzh.

Capacitive regulation of the voltage of a.c. generators
with permanent magnets. Trudy MEI no. 39:2-1-352 1972
(MIRA 1972)

MOROZOV, V.G., inzh.; RYNDIN, Yu.Yu., inzh.

Study of heat emission during boiling in annular channels and
intertube space. Teploenergetika 11 no.7:64-67 J1 '64.

(MIRA 17:8)

1. Moskovskoye otdeleniye TSentral'nogo kotloturbinnogo instituta.

L 25862-66 EWT(l)/EWT(m)/EWA(d)/EWP(t) LJP(c) JD

ACC NR: AR5018684

SOURCE CODE: UR/0196/65/000/007/L023/L023

AUTHOR: Larionov, A.N.; Balagurov, V.A.; Galtayev, F.F.; Mastyayev, N.Z.; Morozov, V.G.; Senkevich, A.M.

ORG: none

TITLE: Use of the newest permanent magnets in electric motors and electric equipment for aircraft and automobiles

SOURCE: Ref. zh. Elektrotekhnika i energetika, Abs. 7L125

REF SOURCE: Sb. dokl. na Vses. soveshchanii po litym splavam dlya postoyan. magnitov, 1962. Saratov, 1964, 187-198

TOPIC TAGS: magnet, permanent magnet material, electric generator unit, aircraft electric power equipment, *electric motor*

TRANSLATION: Use of new material for cast permanent magnets (PM) with a directional structure and a magnetic power of $7-9.5 \cdot 10^6$ gauss-oersted opens up great possibilities for their use in electric motors and equipment used in aircraft and automobile engineering. For heavy-duty generators, a PM with considerable H_c is needed. Work has been done on a PM with $H_c = 1,250$ oersted and $B_r = 7,500$ gauss. Of special importance are the platinum-cobalt alloys with $H_c \gg 5,000$ oersted and

Card 1/2

UDC: 629.11.066:629.13.066:621.318.2

L 25862-66

ACC NR: AR5018684

$B_r = 6,000-7,000$ gauss. However, because of high cost, the latter can be used only for very special generators. Calculations have shown that such a PM generator, with 200 kv, 30,000 spm and 2,000 cps, may weigh 65 kg. A study was made of generators with spurshaped, star-shaped and prismatic PMs. The system with starshaped rotors proved to be unsuitable for generators > 7.5 kva. A generator was designed with 16 kw, 40 cps, 800 rpm with a prismatic shape PM and massive polar sockets of a complex shape, allowing the regulation of the magnetic flow in the generator gap by means of a stationary circular electric magnet and realizing a contactless regulation of the generator voltage. The most usual methods for the stabilization of PM generator voltages are cubic content, throttle choke and magnetic bias of the edge. Along with the synchronous PM motors, low-power hysteresis motors are also gaining ground. For these motors, special magnetic materials have been developed, such as vikalloy. The operational conditions of PM electric motors require a study of the effect of high temperature on the properties of a PM. V. Morozov

SUB CODE: 09/

SUBM DATE: none

Card 2/2 *AW*

MOROZOV, V.G.; KHOLIN, S.A.

A simple nonstationary kinetic equation. Atom. energ. 18 no.1:
62-63 Jan '65. (MIRA 18:2)

2 39-1-65 SAT: 10 AM '65 10 AM 11-11

ACC NR: AP6009501 (A)

SOURCE CODE: UR/0105766/000/003/0009/0013

AUTHOR: Galteyev, F. F. (Candidate of technical sciences); Korobchenko, V. P. (Engineer); Morozov, V. G. (Engineer)

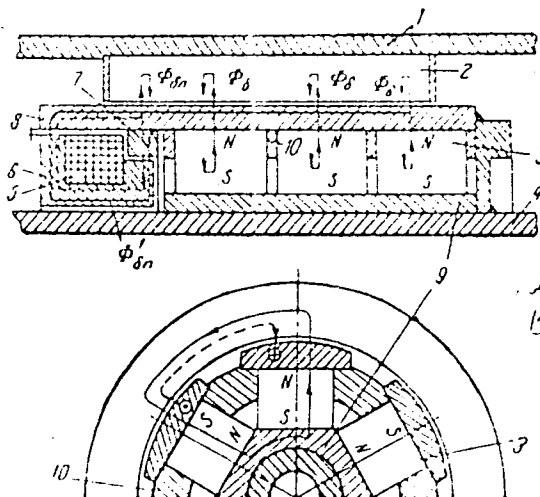
ORG: Moscow Power-Engineering Institute
(Moskovskiy energeticheskiy institut)

TITLE: Operating characteristics of
synchronous generators having compound-
field permanent magnets

SOURCE: Elektrichestvo, no. 3, 1966, 9-13

TOPIC TAGS: electric generator,
synchronous generator

ABSTRACT: Operation of a new (see figure) contactless synchronous generator is considered. A special design of the generator-field magnetic circuit permits the electromagnetic field component either to boost or to buck the main permanent-magnet flux, thus providing the means for regulating the generator voltage within a rather wide range. These design elements are shown in



Compound-field permanent-magnet synchronous generator with special-design pole shoes

Card 1/2

UDC: 621.313.322:012.6

L 39681-66

ACC NR: AP6009501

the figure: 1 - generator frame, 2 - armature, 3 - magnet, 4 - shaft, 5 - magnetizing winding, 6 - its magnetic circuit, 7 - shortened pole shoe, 8 - extended pole shoe, 9 - bushing, 10 - nonmagnetic shell. Formulas for calculating generator characteristics are developed. The generator external characteristic and field-current/load-current characteristic were calculated by the above formulas and subsequently measured on a 13-kw, 400-cps, 120/208-v, 8000-rpm, 1-pf generator. Differences of 20 and 30% between the estimated and experimental values are noted. Orig. art. has: 6 figures and 26 formulas.

SUB CODE: 09 / SUBM DATE: 27Apr65 / ORIG REF: 006

Card 2/2 B&B

1964, 1965, 1966.

Designation: Kazakhstani Republic
Country: Kazakhstan

1. Kuf'ers and his colleagues (1990, p. 11) found that the use of multiple choice questions in the classroom.

MOROZOV, V.G.

The dynamics of prothrombin in cerebral diseases and the effect
of sodium bromide. *Sov. med.* 1977, no. 10:1000-1001.

(MIRA 12:9)

1. Iz kliniki obshchey khirurgii (zav. - prof. I. I. Shubin)

Kazanskogo gosudarstvennogo meditsinskogo instituta.

(PROTHROMBIN pharmacol.)

(BROMIDES pharmacol.)

MOROZOV, V.G., ispolnyayushchiy obyazannosti asistenta

Prothrombin test for diagnosis of extrauterine pregnancy. Kaz.med.
zhur. 40 no.4:86-87 JI-Ag '59. (MIKA 13:2)

1. Iz kliniki obshchey khirurgii (zaveduyushchiy - prof. V.N. Shubin)
Kazanskogo meditsinskogo instituta.
(PREGNANCY, EXTRAUTERINE) (PROTHROMBIN)

KORCZOV, V. G., Cand Med Sci -- (diss) "Fluctuations of individual components of the coagulating system of the blood in some surgical ailments." Kazan', 1960. 12 pp; (Ministry of Public Health RSFSR, Kazan' State Medical Inst); 200 copies; free; (KL, 25-60, 143)

(MOROZOV, V.G., assistant

Dynamics of blood prothrombin in surgery on the thyroid gland.
Kaz. med. zhur. 41 no.3:75-76 My-Je '60. (MIRA 13:9)

1. Iz kliniki obshehey khirurgii (zav. - prof. V.N. Shubin) Kazanskogo
meditsinskogo instituta.
(THYROID GLAND—SURGERY) (PROTHROMBIN)

MOROZOV, V.G.

Apparatus for infusion. Kaz. med. zhur no.6:77-78 N-1 '61.
(M.L.A 15:2)
1. Klinika obshchey khirurgii (zav. - prof. V.M.Shubin) Kazanskogo
meditsinskogo instituta.
(INJECTIONS, HYPODERMIC EQUIPMENT AND SUPPLIES)

MOROZOV, V.G.

Value of the determination of thromboplastic activity of plasma
in surgery. Lab. delo 7 no.5:14-16 My '61. (MIRA 14:5)

1. Klinika obshchey khirurgii (zav. - prof. V.N.Shubin) Kazanskogo
meditsinskogo instituta.
(BLOOD PLASMA)

MOROZOV, V. I.

"Method of Averaging in Questions of Stability." Cand Phys-Math Sci,
Leningrad State U, Leningrad, 1954. (ZhMat, Jan 55)

Survey of Scientific and Technical Dissertations Defended at USSR Higher
Educational Institutions (12)
SO: Sum. No. 556, 24 Jun 55

BERSENEV, V.S.; Primali uchastiye: ZINEVICH, V.D.; MOROZOV, V.I.;
MIKHACHEV, V.S.; KAPRALOV, Ye.P.; KOLCHANOV, V.D.; BOGDANOV, A.V.;
OBUKHOVICH, I.I.; OSTROZHINSKIY, A.I.; KHROMOV, M.I.; SIVUCHUB, A.A.

Breaking a solid body with a high-pressure water jet. Zap. LGI
41 no.1:44-51 '59. (MIRA 16:5)

(Jets--Fluid dynamics)

BRAZHNICHENKO, Nikolay Arsen'yevich; KAN, Veniamin Lipmanovich;
MINTSBERG, Benjamin L'vovich; MOROZOV, Valentin Ivanovich;
BUTENIN, N.V., doktor tekhn. nauk, prof., retsenzent;
NIKITIN, N.N., kand. fiz.-mat. nauk, retsenzent; ZAKHAREVICH,
A.F., nauchnyy red.; SMIRNOV, Yu.I., red.; TSAL, R.K., tekhn.
red.

[Problems on theoretical mechanics] Sbornik zadach po teoreti-
cheskoi mekhanike. Leningrad, Sudpromgiz, 1962. 559 p.

(MIRA 16:1)

(Mechanics, Analytic--Problems, exercises, etc.)

MOROZOV, V.I., agronom

Growing vetchling for grain. Zerkledelie 24 no.1:71-72 Ja '62.
(MIRA 15:2,
(Vetchling)

ZHILKIN, N.G.; LYUBIMOV, N.I.; MOROZOV, V.I.

Approximate determination of changes in rocks based on their
physicomechanical properties. Razved. i okh. nedr 26 no.12:14-
17 D '60. (MIRA 13:12)

1. Vsesoyuznyy institut mineral'nogo syr'ya.
(Petrology)

LYUBIMOV, N.I.; MOROZOV, V.I.; FROLOV, A.A.

Physicomechanical properties of carbonatites and their role in the distribution of rare metal mineralization. Razved. i okh. nedr 29 no.5:36-33 My '63. (MIRA 16:7)

1. TsNIGRI i Vsesoyuznyy nauchno-issledovatel'skiy institut mineral'nogo syr'ya.

(Carbonatites—Testing)

MOROZOV, V.I., VASIL'CHIKOV, I.V.,
SVERDLIN, A.S., GODNEV, I.N.

Molecules

Force constants and action coefficients of the formaldehyde molecule. Zhur.fiz.khim.,
16, No. 6, 1952.

Monthly List of Russian Accessions, Library of Congress, November 1952. Unclassified.

GUZEYEV, V.V.; MOROZOV, V.I.; SHTARKMAN, B.P.; RYLOV, Ye.Ye.

Automatic instrument for the turbidimetric titration of polymer solutions. Vysokom.soad. 1 no.12:1840-1843 D '59.
(MIRA 13:5)

(Polymers)

MOROZOV, V.I., SHTARKMAN, B.P., RYLOV, YE. I.

Physicomechanical fundamentals of polymer processing by screwless extruders.

Report presented at the 13th Conference on high-molecular compounds
Moscow, 8-11 Oct 62

LYUBIMOV, N.I.; MOROZOV, V.I.

Boring practices with fine-cutting core bits designed by the All-
Union Scientific Institute for Research in Minerals. Rasved. i okh.
nedr 20 no.5:56-59 S-O '54. (MLRA 10:1)
(Boring)

LYUBIMOV, N.I.; MOROZOV, V.I.

Role of the specific number of cutting edges on carbide-tipped
core bits. Razved. i skh.nedr 20 no.6:32-34 '54. (MLRA 9:6)
(Boring)

MOROZOV, V.I.; YERMAKOV, A.M.

Classification of rock based on resistance to drilling. Barved.i
okh.nedr 22 no.1:32-35 Ja '56. (MLRA 9:5)
(Boring)

LYUBIMOV, N.I.; MOROZOV, V.I.

Effect of drilling with a carbide-tipped cylindrical core bit on
the drilled footage. Razved. i okh.nedr. 22 no.2:28-35 P 156.
(Boring) (MLRA 9:6)

LYUBIMOV, N.I.; MOROZOV, V.I.

Data on resistance of rocks to steel shot boring. Razved.i okh.
nedr 22 no.12:28-32 D '56. (MLRA 10:2)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut mineral'nogo
syr'ya.

(Boring)

RYCHIK, F.F., dotsent, kandidat tekhnicheskikh nauk; RUMYANTSEV, V.G.,
gornyy inzhener; MOROZOV, V.I., gornyy inzhener; TARAKANOV, G.M.,
gornyy inzhener.

Boring with small diameter bits. Gor. zhur. no.8:76-77 Ag '57.
(Boring machinery) (MLRA 10:9)

MOROZOV V I

DEM'YANOVA, Ye.A.; MOROZOV, V.I.

Calculations for drilled well circulating systems. Rasved.1 okh.
nedr 23 no.8:26-31 Ag '57. (MIRA 10:11)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut mineral'nogo
syr'ya.

(Boring)

DIAMOND DRILLING

AUTHOR: Morozov, V I.

132-58-4-5/17

TITLE: Method of Determining the Expected Resistance to Boring by Small Diamond Bits (Metod opredeleniya ozhidayemoy (urimosti melkoalmaznymi koronkami)

PERIODICAL: Razvedka i Okhrana Nedr, 1958, Nr 4, pp 21-23 (USSR)

ABSTRACT: A formula and a nomogram is given by which the speed of small diamond drilling could be easily calculated depending on the character and type of the rocks. There are 2 tables and 1 nomogram

ASSOCIATION: VIMS

AVAILABLE: Library of Congress

Card 1/1 1. Diamond drills-Speed calculations 2. Drilling machines-Operation

AUTHORS: Lyubimov, N.I. and Lopyrev, V.I.

TITLE: The Role of a Specific Quantity of Pig-Iron in the Drilling of Bore Holes and the Method of Determining the Expected Resistance of Rocks - *rol' udelnogo kolichestva chugunnoy drobi na ustoye skvazhin i metod predel'noy ozhidajemye barinosti porod*

PERIODICAL: Razvedka i okarana nefti, 1969, No 1, pp 71-73, 1035

ABSTRACT: Experiments made by the authors in drilling bore holes with pig-iron shots showed that optimal quantities of these shots per square cm of the face of the boring bit were different for each category of rock. The authors compiled a table (table 3), in which the quantities of pig iron shot necessary to obtain the maximum drilling speed were given for different categories of rock. An empirical formula was also compiled on the correlation between the drilling speed, drilling conditions and the rock resistance:

$$V_n = \left[(0,144 + 0,176w) + (0,10017 - 0,111wq) \right] R^{0,76}$$

the calculation of a specific quantity of high-speed steel in the drilling of holes and the method of determination of expected resistance of rocks

in which: V - is the drill bit speed in m/min; k - the coefficient of the rock hardness; w - the angular speed in m/sec; q - specific pressure on the bottom in kg/cm² of the cutting face; and K - the coefficient of the resistance equal to 1.0. The above mentioned relation is also expressed by a nomogram (figure 1). The comparison of the calculated speed and of the actual speed showed (table 1) that there were only minor discrepancies between them. There are four tables, one graph, one nomogram, and one Soviet reference.

ASSOCIATION: VIMS

Card 1/2

AVRUTSKIY, Abram Lazarevich; VOLKOV, S.A.; DEM'YANOVA, Ye.A.; KRIVENKO,
M.G.; LYUBIMOV, N.I.; MOROZOV, V.I.; TOKAREV, I.A.; VOZDVIZHENSKIY,
B.I., prof., doktor tekhn.nauk, otv.red.; SINYAGINA, Z.A., red.
izd-va; PROZOROVSKAYA, V.L., tekhn.red.; SHKLYAR, S.Ya., tekhn.red.

[Handbook for core drillers] Spravochnik mastera kolonkovogo
bureniia. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po gornomu
delu, 1960. 528 p. (MIRA 14:4)
(Core drilling)

L 41226-65 EWI(m)/EWP(w)/EWA(d)/I/EWP(t)/EWP(z)/EWP(b) MJW/JD
 ACCESSION NR: AR5003992 S/0277/64/000/010/0009/0009
 SOURCE: Ref. zh. Mashinostroitel'nyye materialy, konstruktstii i raschet detaley mashin. Gidroprivod. Otd. vyp., Abs. 10.48.55 23
 AUTHOR: Karasev, N. A.; Morozov, V. I.; Orlov, I. V. 2
 TITLE: The effect of surface hardening on the mechanical properties of nitrided case hardened steel 25KhGM 4 16
 CITED SOURCE: Dokl. Mosk. s.-kh. akad. im. K. A. Timiryazeva, vyp. 96, 1964, 155-162
 TOPIC TAGS: steel hardening, case hardening, surface hardening, metal mechanical property, microhardness, metal hardness, nitriding/ steel 25KhGM
 TRANSLATION: The parameters of the mechanical characteristics in nitrided case hardened layers of steel 25KhGM were investigated before and after surface hardening on special flat samples which did not have sharply marked concentrations of stresses. The thickness of the samples, the multiple depth of the martensite layer, was 2.5.
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ACCESSION NR: AR5003992

3.5, 5, and 10 mm. The width and length of the samples were 20 and 75 mm respectively. The surface of each sample, after chemicothermal treatment, was divided into 7 parts 6 mm long. Each section of the plate was peened with steel shot of a diameter of 0.8 mm for 0.5-10.5 min. The speed of the shot was 78.5 m/sec. With an increase in hardening time, the microhardness on the surface of the samples changed insignificantly (3-4%), while the microhardness of the subsurface layers varied within wide limits and increased by 45-55%. The value of the microhardness of the subsurface layers is not stable but varies according to hardening time. The magnitude and position of the point of maximum hardness are a function of hardening time. This point moves with the subsurface layers to the surface and in the opposite direction. 4 figures, 2 tables, 3 literature titles.

SUB CODE: MM

ENCL: 00

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Card 2/2

KARASEV, N.A.; MOROZOV, V.I.

Calibration of a test stand in repeated impact testing. Lav.
lab. 31 no.11:1402 '65. MIRA 19:1

1. Moskovskiy institut radioelektroniki i gornoy elektromekhaniki.

L 22462-66 EWT(m)/EWP(w)/EWA(d)/T/EWP(t) IJP(c) JD/EM

ACC NR: AP6013576

SOURCE CODE: UR/0032/65/031/009/1133/1135

AUTHOR: Karasev, N. A.; Morozov, V. I.; Varchak, N. M.

ORG: Moscow Institute of Radio Electronics and Mining Electromechanics
(Moskovskiy institut radioelektroniki i gornoy elektromekhaniki)

TITLE: Determination of residual stresses with computer calculation of strain gage readings

SOURCE: Zavodskaya laboratoriya, v. 31, no. 9, 1965, 1133-1135

TOPIC TAGS: computer calculation, stress analysis, strain gage, galvanometer, steel, tensile stress, metal hardening

ABSTRACT: A method is described which allows continuous recording of the changing readings of a galvanometer and from them the establishment of values of residual stresses associated with the change in deformation of specimens under strain. It is shown that use of an "Era" computer substantially increases accuracy of the determination and accelerates processing of experimental data when their distribution is sufficiently dense. The plane stressed state of carbonitrided and shot-peened specimens measuring 75 X 20 X 2.5 mm made of 25KhGM steel was investigated.

The changes of the values of the residual stresses, obtained during etching of carbonitrided and quenched specimens are presented. When the carbonitrided layer is 0.9 mm deep in the surface layer the tensile stresses

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ACC NR: AP6013576

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recorded are on the order of 20 KG/mm². With steel-shot hardening the tensile stresses change into compressive stresses; when hardened for 1 minute at a shot velocity of 53.5 m/sec their value rose to 40 KG/mm². When the rate was increased to 78.5 m/sec the stresses were increased to 75 KG/mm². Orig. art. has: 2 figures, 6 formulas, and 1 table. [JPRS]

SUB CODE: 11, 20, 13, 09 / SUBM DATE: none / ORIG REF: 003

Card 2/2 *PK*

MOROZOV, V.I.; AGAFONOV, A.V.; ABAYEVA, B.T.; KARPENKO, L.G.

Results of the industrial adoption of the production of crude
for carbon black in thermal cracking devices. Nefteper. i
neftekhim. no.4:18-21 '63 (MIRA 17:7)

1. Omskiy neftepererabatyvayushchiy zavod i Vsesoyuznyy nauch-
no-issledovatel'skiy institut po pererabotke nefiti i gaza i
polucheniya iskusstvennogo shidkogo topliva.

7
MCROZOV, V.I., aspirant

X-ray therapy of iritis and iridocyclitis. Vest.oft. 70 no.4:
34-41 J1-Ag '57. (MIRA 10:10)

1. Kafedra glaznykh bolezney (zav. - prof. M.L.Krasnov) TSentral'-
nogo instituta usovershenstvovaniya vrachey.

(IRITIS, ther.

x-ray)

(IRIDOCYCLITIS, ther.

x-ray)

(RADIOTHERAPY, in various dis.
iridocyclitis & iritis)

MOROZOV, V. I. Cand Med Sci -- (diss, "X-ray therapy ~~during~~ inflammatory diseases of the iris and the ciliary body." Mos, 1958. 14 pp (Min of Health USSR. Central Inst for the Advanced Training of Physicians), 200 copies (AL, 13-58, 100)

MOROZOV, V.I., aspirant

X-ray therapy of the tuberculous foci of iritis. Oft.zhur.
14 no.4:220-224 '59. (MIRA 12:10)

1. Iz kafedry glaznykh bolezney (zav. - prof.M.L.Krasnov)
TSentral'nogo instituta usovershenstvovaniya vrachey i rentge-
novskogo otdeleniya (zav. - B.I.Svyadoshch) Moskovskoy glaznoy
klinicheskoy bol'nitsy.
(IRITIS) (X RAYS--THERAPEUTIC USE)

MOROZOV, V.I., kand.med.nauk

X-ray therapy of a pain syndrome in acute iritis and iridocyclitis.
Vest.rent. 1 rad. 34 no.3:77 My-Je '59. (MIRA 12:10)

1. Iz kafedry glaznykh bolezney TSentral'nogo instituta usovershen-
stvovaniya vrachey (zav. - zasluzhennyy deyatel' nauki M.L.Krasnov)
i Moskovskoy glaznoy bol'nitsy (glavvrach I.A.Lyubchenko).

(IRIDOCYCLITIS, ther.

x-ray in pain synd. (Rus))

(IRITIS, ther.

same)

(RADIOTHERAPY, in various dis.

iritis & iridocyclitis in pain synd. (Rus))

MONOZOV, V.I.

X-ray treatment of inflammatory diseases of the iris and the ciliary
body of the eye. Nauch. rab. asp. i klin. ord. no.6:266-273 '60.
(MIRA 14:12)

1. Kafedra glaznykh bolezney (zav. prof. M.L.Krasnov) TSentral'nogo
instituta usovershenstvovaniya vrachey.
(X RAYS--THERAPEUTIC USE) (IRIS (EYE)--DISEASES)
(CILIARY BODY--DISEASES)

MOROZOV, V.I., kand.med.nauk

X-ray therapy for inflammatory diseases of the eye and its
appendages. Vest.oft. no.3:70-76 '61. (MIRA 14:9)
(EYE—DISEASES AND DEFECTS) (X RAYS—THERAPEUTIC USE)

MOROZOV, V.I., kand.med.nauk

Use of the RUM-3M apparatus in ocular practice. Ort. zhur. 16
no.1:48-49 '61. (MIRA 14:3)

1. Iz kafedry glaznykh boleyney (zav. - zasluzhennyy deyatel' nauki
prof. M.L.Krasnov) Tsentral'nogo instituta usovershenstvovaniya
vrachey i Moskovskoy glaznoy bol'nitsy.
(EYE, INSTRUMENTS AND APPARATUS FOR)

GUNDOROVA, R.A.; FRIDMAN, F.Ye.; MOROZOV, V.I.; POLYAKOVA, L.Ya.

Contemporary methods of treating traumatic cataracts. Uch.
zap. GNIi glaz.bol. no.8:113-118'63. (MIRA 16:9)

1. Gosudarstvennyy nauchno-issledovatel'skiy institut glaz-
nykh bolezney imeni Gel'mgol'tsa.
(CATARACT) (EYE--WOUNDS AND INJURIES)

GUNDOROVA, R.A.; MOROZOV, V.I.; FRIDMAN, F.Ye.; POLYAKOVA, L.Ya.

Use of various means of removing the crystalline lens in
the intracapsular extraction of a cataract. Uch. zap.
GNII glaz.bol. no.8:119-127'63. (MIRA 16:9)

1. Gosudarstvennyy nauchno-issledovatel'skiy institut glaz-
nykh bolezney imeni Gel'mgol'tsa.
(CATARACT) (CRYSTALLINE LENS)

M. P. D. V., Vladimir Ivanovich, kand. med. nauk: M. T. V.,
Nikolayevich; ASIN VI B. M. G., red.

[Take care of your eyes] perep. te. zhurn. M. K. V. B.,
Meditsina, 1966. 35 p. (MIRA 18:12)

MOROZOV, V.I.; VORONIN, N.Y.; NASHIN, Yr.V.; GARMAN, V.A.; MEVEDEV, G.I.;
KAMENETSKIN, I.M.; LUKKO, V.V.; BARASHKOV, V.D.; EMPARAPULO, V.K.;
RAYEVSKII, N.S.; TRASHKOV, Y.M.; GRISHIN, V.P.; OM SLOV, I.I.;
ROMANENKO, Yu.M.; GABANOV, P.B.

Innovations, Av' m. i prib. no.2:61-62 Ab-Je '65. (MIRA 18:7)

KIPER, Ye.V., kand.tekhn.nauk; CHERKIN, V.Ye., kand.tekhn.nauk; MEROZOV, A.I.,
inzh.; BOGAYEVSKIY, V.A.

Precision in machining holes in the body of hydraulic distributors
by various methods. Trakt. i sel'mash. no.9:41-42 S. 1-2.

(MIRA 18:10)

1. Melitopol'skiy institut mekhanizatsii sel'skogo khozyaystva
(for Kiper, Cherkov, Merozov). 2. Glavnyy tekhnolog Melitopol'skogo
agregatnogo zavoda (for Bogayevskiy).

KARASEV, N.A.; MOROZOV, V.I.; VARCHAK, N.M.

Determination of residual stresses with recalculation of the tensiometer readings by an electronic computer. Zav. lab. 31 no.9:1133-1135
'65. (MIRA 18:10)

1. Moskovskiy institut radioelektroniki i gornoy elektromekhaniki.

MOROZOV, V.I.

Mercury in the Cenozoic sediments of the Kerch Peninsula. Dokl. AN
SSSR 163 no.1:209-211 J1 '65. (MIRA 18:7)

1. Institut mineral'nykh resursov, Simferopol'. Submitted February 2,
1965.

15-00000

1. The first part of the document is a list of the names of the persons who were present at the meeting.

MOROZOV, V. I.

Mechanization of the Feeding of Deoxidizers to the Open-
Hearth Furnace/V. I. Morozov. (Star, 1955, (9), 841-842).
[In Russian]. Methods developed at the Magnitogorsk
Metallurgical Combine for conveying deoxidizers to the O.H.
furnaces and for charging them into pouring ladles are
described. The increased attention which the furnace crew
could devote to other operations is said to have increased
steel production.—S. K.

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MOROZOV, V.I., inzhener.

Mechanization of catching and removing slag from a large mixer.
Stal' 15 no.11:1042-1045 '55. (MLRA 9:1)

1.Magnitogorskiy metallurgicheskiy kombinat.
(Slag)

KIPER, Ye.V., kand. tekhn. nauk; CHERKUN, V.Ye., kand. tekhn. nauk;
MOROZOV, V.I., inzh.; BOGAYEVSKIY, V.A.

Errors in machining the body-seat valve pair of hydraulic
distributors. Trakt. i sel'khoz mash. 33 no.11:40-41, N 11, 1979.

1. Melitopol'skiy institut mekhanizatsii sel'skogo khozyaystva
(for Kiper, Cherkun, Morozov). 2. Glavnyy tekhnol. Melitopol'skogo
agregatnogo zavoda (for bogayevskiy).

~~V. I. Morozov~~
MOROZOV, V. I.

0006

~~Thermodynamic functions of nitrogen dioxide. V. I. Morozov (Chem. Technol. Inst., Dnepropetrovsk). Ukrain. Khim. Zhur. 21, 604-6 (1966) (in Russian). The thermodynamic functions of NO_2 were calcd. in the temp. interval of 298.2-1000°K. for the ideal-gas state in which it is assumed that the mol. exhibits harmonic oscillation and rigid rotation.~~
W. M. Sternberg

Chem. Phys.
W. M. Sternberg

MOROZOV, V.T.

18
2211. Use and repair of a 200-ton steel-pouring ladle.—V. I. MOROZOV and others
(Stal', 16, 39, 1956). In Russian.

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MOROZOV, V. T.

AUTHOR: MOROZOV, V.I., BUKHAYEV, M.T. PA - 2377
 TITLE: Appliance and Repair of 200 ton Steel-Pouring Ladle. (Ekspluatatsiya i remont 200-t otalerazhivochного kovsha, Russian)
 PERIODICAL: Stal', 1957, Vol 17, Nr 1, pp 38-42 (U.S.S.R.)
 Received: 5 / 1957 Reviewed: 5 / 1957

ABSTRACT: At first the constructional improvement of the pouring ladle and the filling of the same as well as the control of filling are described. The latter is carried out by means of a movable fireproof device. Next, lining of the ladle and mechanization of its repair are described. A firebrick of greater density is preferred nowadays; the inner lining is in ridgeless finish, so that its holding capacity increased by 1,7 cbm, and the weight of the ladle with metal increased by about 10 to 12 t. Next, current repairs on the ladle after pouring of the melt is discussed. General repairs which have to be carried out after about 15 to 16 castings, are described. The methods described led to a considerable increase of production. (5 illustrations).

ASSOCIATION: Metallurgical Combine of Magnitogorsk

PRESENTED BY:

SUBMITTED:

AVAILABLE: Library of Congress

Card 1/1

AUTHOR: 1) MOROZOV, V.I., BURNAYEV, M.T. PA - 2387
 2) SHTERNOV, M.N., cand.tech.sc.
 3) MIRENSKIY, M.L.
 4) GOLCHIN, V.I.

TITLE: 1) The Repair of Smoke-Stack of an Operating Open-Hearth Furnace
 (Remont dymovoy trubyy pri rabote martenovskoy pechi, Russian)
 2) Rolling of a Special Channel Beam with Broad-Flanges (Prokatka
 spetsial'nogo shvellera s ushirennymi polkami, Russian)
 3) The Rational Shape of the Round Finishing Pass. (Ratsional'naya
 forma kruglogo otdelochnogo kalibra, Russian)
 4) Creative Power of the Innovators and Inventors of the Magnito-
 gorsk Metallurgical Combine. (Tvorchestvo ratsionalizatorov i
 izobretateley Magnitogorskogo kombinata, Russian).

PERIODICAL: Stal', 1957, Vol 17, Nr 1, pp 88 - 94 (U.S.S.R.)
 Received: 5 / 1957 Reviewed: 5 / 1957

ABSTRACT: 1) As the general repair of a chimney of 71 m height and 2100 mm
 diameter takes from 25 to 28 days, provisional chimneys were in-
 stalled at Magnitogorsk which were erected within 4 to 5 days and
 warranted continuous work of the furnace.

2) At the rolling mill train 500 of Magnitogorsk U-irons with
 widened flanges are now being produced which are intended for
 railroad trucks. (Somewhat similar to the German DIN 1026).

Card 1/2 The carrying out of calibration for the purpose of attaining a

PA - 2387

- 1) The Repair of Smoke-Stack of an Operating Open-Hearth Furnace.
- 2) Rolling of a Special Chanel Beam with Broad-Flanges.
- 3) The Rational Shape of the Round Finishing Pass.
- 4) Creative Power of the Innovators and Inventors of the Magnitogorsk Metallurgical Combine.

maximum flange height is described.

3) Whereas the amount of elastic deformation in the horizontal and the vertical exercises no influence upon the quality of the profile, it definitely does exercise considerable influence upon the profile and strength of the rollers. Six types of construction are given.

4) By the introduction of innovations, which are enumerated in detail, 41 million roubles p.a. were saved. (8 illustrations and 2 tables)

ASSOCIATION: Metallurgical Combine of Magnitogorsk.
Metallurgical Combine of Kuznetsk.

PRESENTED BY:

SUBMITTED:

AVAILABLE: Library of Congress.

Card 2/2

AUTHOR: Morozov, V. I.

63-58-7-17/27

TITLE: "Mechanisation and Improvements of Coke Quenching Towers
(Mekhanizatsiya i usovershenstvovaniye tushil'nykh
stantsiy koksovykh pechey)

PERIODICAL: Koks i Khimiya, 1958, Nr 7, pp 55-57 (USSR)

ABSTRACT Some improvements in the operating capacity of coke
quenching towers are described and illustrated. Main
points: improved distribution and intensity of water
sprays (quenching time reduced from 115 sec to 85 sec)
mechanised water filters and installation for the control
of water level in the settling tank.
There are 3 figures

ASSOCIATION: Magnitogorskiy metallurgicheskiy kombinat
(Magnitogorsk Metallurgical Combine)

: Coke-Processing & Towers (Chemistry)--Design

Card 1/1

MOROZOV, V.I.; NEMTSEV, P.A.

Cleaning the pipes of an exhaust ventilation. Sbor.rats.predl.
vnedr.v proizvod. no.5:46 :60. (MIRA 14.2,

1. Magnitogorskiy metallurgicheskiy kombinat.
(Cleaning machinery and appliances)
(Factories—Heating and ventilation)

MOROZOV, V.I.

Lowering the moisture content of coal tar pitch. Koks i khim.
no.6:50-51 '60. (MIRA 13:7)

1. Magnitogorskiy metallurgicheskiy kombinat.
(Magnitogorsk--Pitch)

MOROZOV, V.I.; SULEYMANOV, G.V.

Stand for collecting tar and oil. Sbor.rats.predl.vnedr.v
proizv. no.1:35 '61. (MIRA 14:7)

1. Magnitogorskiy metallurgicheskiy kombinat.
(Coke industry--Equipment and supplies)

S/065/63/000/C01/C04/005
EO75/E436

AUTHORS: Morozov, V.I., Agafonov, A.V., Abayeva, B.T.,
Ryabov, V.A., Karpenko, L.P., Gilyazetdinov, L.P.

TITLE: The preparation of feedstock carbon black in thermal
cracking units

PERIODICAL: Khimiya i tekhnologiya topliv i masel, no.1, 1963,
39-42

TEXT: A threefold increase in the production of carbon black is scheduled in the current 7-year plan. New feedstocks suitable for conversion into carbon black are therefore required to supplement green and anthracene oils used at present. Catalytic gas oils and lubricating oil extracts (phenol extracts) were subjected to thermal cracking to produce oils suitable for the production of carbon black. The cracked oils (43.5, 36.0 and 54.4% yields of the feedstock for light gas oil, heavy gas oil and phenol extract respectively) contained from 70 to 80% of aromatic hydrocarbons, of which at least 50% were heavy aromatics. The cost of these oils was about half that of green oil and a quarter of anthracene oil. The yields of carbon black from the oils ranged from 47 to

Card 1/2

The preparation of feedstock ...

S/065/63/000/001/004/005
E075/E436

56.7%, which compares well with the yields from green oils. The carbon blacks satisfy the ГОСТ 7885-56 (GOST 7885-56) specification. There are 1 figure and 4 tables.

ASSOCIATION: Omskiy Neftepererabatyvayushchiy zavod VNII NP
(Omsk Refinery VNII NP)

Card 2/2

ABAYEVA, B.T.; AGAFONOV, A.V.; GILYAZETDINOV, L.P.; GYUL'MISARYAN, T.G.;
ZUYEV, V.P.; MOROZOV, V.I.

Testing thermocatalytic gas oil in the production of furnace black.
Nefteper. i neftekhim. no.12:17-19 '63. (MIRA 17:4)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut po pererabotke
nefti i Nauchno-issledovatel'skiy institut shinnoy promyshlennosti.

AGAFONOV, A.V.; ABAYEVA, B.T.; OKINSHEVICH, N.A.; ANDREYEVA, A.S.;
MOROZOV, V.I.

Developing extraction methods for obtaining carbon black
stock from catalytically cracked gas oils. Khim. i tekhn.
topl. i masel 9 no.5:13-16 5 My'64 (MIRA 17:7)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut po pererabotke
nefti i gaza i polucheniya iskusstvennogo zhidkogo topliva.

MOROZOV, V. I.

The experience of road construction organizations is not sufficiently made use of ("Technology of asphalt concrete production." L.B.Gezentsvei. Reviewed by V.I.Morozov.) Avt.dor.17 no.3:30-31
N-D'54. (MIRA 8:10)

(Asphalt concrete) (Gezentsvei, L.B.)